

DRILL HOLES

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BORDER REV. DATE: June 1, 2004

PROJECT DESCRIPTION

I. GENERAL

This project involves the modification of an existing strain pole Traffic Control Signal with traffic Surveillance at the intersection of US 29 (Columbia Rd) and Dale Drive in Montgomery County. Exclusive/Permissive left turn phases shall be installed for both approaches of Dale Drive. US 29 (Columbia Rd) is assumed to run a north-south.

II. INTERSECTION OPERATION

- The intersection is to operate in a NEMA six-phase, fully-actuated mode, with the US 29 (Columbia Rd) approaches running concurrently. The Exclusive/Permissive left turn phase for the southbound approach of US 29 (Columbia Rd) shall continue to be provided. The pedestrian phases with pushbutton actuation across both legs of US 29 (Columbia Rd) shall remain in operation. The pedestrian phases across Dale Drive on recall shall also remain in operation. New Exclusive/Permissive left turn phases shall now be provided for both approaches of Dale Drive. The Dale Drive approaches shall also continue to run concurrently.
- The existing full-traffic-actuated, eight-phase controller with all necessary equipment housed in a NEMA size "6" base-mounted cabinet shall be utilized at this intersection.

III. SPECIAL NOTES

- The Contractor shall be responsible for terminating all signal cables, to the appropriate terminals and shall properly label each cable.
- All controller cabinet wiring will be performed by Montgomery County Forces. Contact Kamal Hamud at (240) 777-8761 seventy-two hours in advance of intended work.
- All underground and overhead utilities shown on these plans are schematic only and may not be complete. The Contractor shall be responsible for notifying Miss Utility prior to construction so that all utilities may be located in the field. If the Contractor perceives that a conflict between the utilities and the traffic signal will occur, the Contractor shall notify the Project Engineer immediately so that the conflict may be resolved.

The contact persons for District #3 (Montgomery County) are as follows:

Mr. Jeff Wentz
Assistant District Engineer - Traffic
Phone: (301) 513-7358

Mr. Wayne Mowdy
Assistant District Engineer - Maintenance
Phone: (301) 513-7304

Mr. Augie Rebish
District Engineer - Utility
Phone: (301) 513-7350

Mr. Richard L. Daff, Sr.
Chief, Traffic Operations Division
Phone: (410) 787-7630

Mr. Keith Lord
Montgomery County Signal Shop
(301) 674-8965

EQUIPMENT LIST

A. EQUIPMENT TO BE SUPPLIED BY SHA

THERE IS NO EQUIPMENT TO BE SUPPLIED BY MONTGOMERY COUNTY

B. EQUIPMENT TO BE FURNISHED AND INSTALLED BY THE CONTRACTOR.

ITEM NO.	DESCRIPTION	QUANTITY
	7-conductor electrical cable (No. 14 A.W.G.).	470 L.F.
	Removal and salvage of any signal head.	2 Each
	Furnish and install 12" vehicular LED traffic signal head (R,Y,G,YA,GA)	4 Each

COLESVILLE RD
RUNS IN AN
NORTH-SOUTH
DIRECTION

SEQUENCE OF OPERATION SHEET

TRAFFIC OPERATIONS SECTION
DIVISION OF TRAFFIC ENGINEERING
MONTGOMERY COUNTY, MARYLAND

US 29 (COLESVILLE RD)
AND MD 391 (DALE DR)

INTERSECTION:

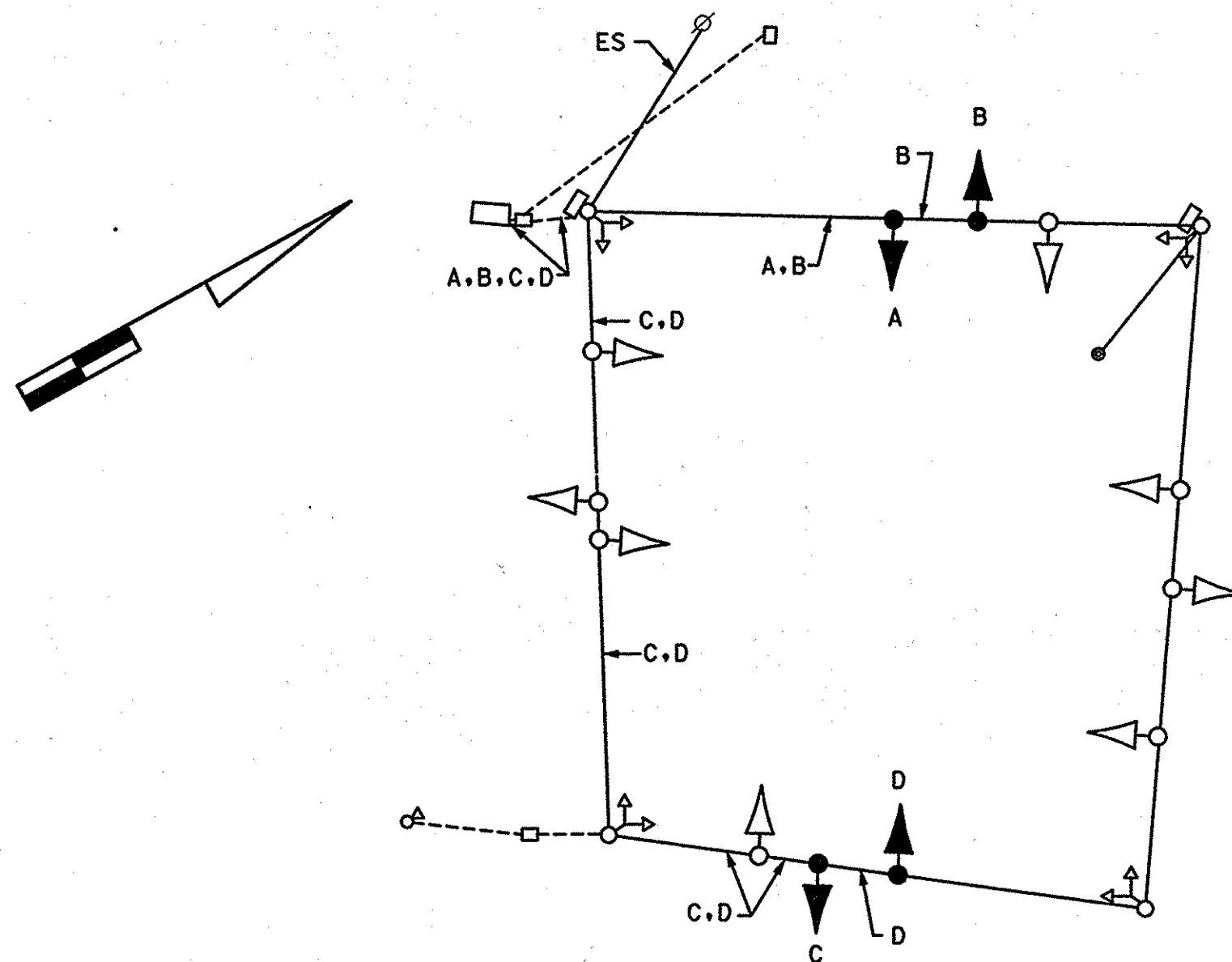
SIGNAL NO.	SIGNAL HEAD INDICATIONS			
	1,2,3,6,9,12	4,5,7,8,11,12	13-20	
TOTAL:	6	6	8	
LEGEND	(R) (Y) (G)	(Y) (G)	(R) (Y) (G)	(R) (Y) (G)
OPTICALLY LIMITED				
R RED				
Y YELLOW				
G GREEN				
ARROW				
FLASHING				

SIGNAL NO.	SEQUENCE OF OPERATION																				
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
1	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
2	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
3	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
4	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
5	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
6	G	G	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
7	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
8	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
9	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
10	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
11	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
12	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R
13	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
14	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
15	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
16	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
17	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
18	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
19	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
20	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W	W
PHASE	2 & 6	ALL RED	3 & 7	ALL RED	3 & 8	ALL RED	4 & 7	ALL RED	4 & 8	ALL RED	1 & 6	ALL RED	1 & 7	ALL RED	2 & 5	ALL RED	2 & 6	ALL RED	3 & 5	ALL RED	3 & 6

NOTES:

SUBMITTED: _____ CHECKED: _____ APPROVED: _____
IN SERVICE BY: _____ DATE: _____ TIME: _____

WIRING DIAGRAM



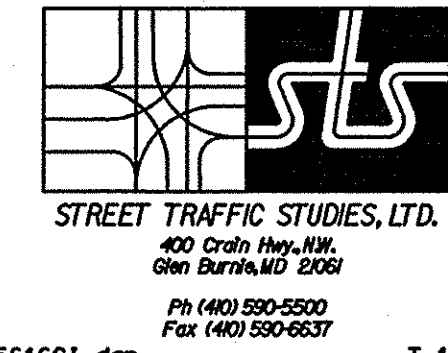
WIRING KEY
A } 7-CONDUCTOR ELECTRICAL
B } CABLE (NO. 14 A.W.G.)
C }
ES- EXISTING UNDERGROUND SERVICE
TO BE MAINTAINED BY PEPCO

STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

US 29 (COLESVILLE ROAD)
AND DALE DRIVE

GENERAL INFORMATION SHEET

SCALE NONE DATE 8-21-08 CONTRACT NO. _____
DESIGNED BY J.W.A. COUNTY MONTGOMERY
DRAWN BY R.C. LOGMILE 15002901.51
CHECKED BY _____ TMS NO. J172
F.A.P. NO. _____ TOD NO. _____
TS NO. _____ DRAWING NO. 2 OF 2 SHEET NO. OF _____



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